



[0158] Measurement of the molecular weights by steric exclusion chromatography lead to the following results:

[0159] M_n was equal to 32,140 g/mol and M_w was equal to 51,700 g/mol, hence the polydispersity index I_p was equal to 1.6.

[0160] The composition dispersity (or w) was 1.6.

[0161] The following was a possible schematic representation of the copolymer that was obtained:



wherein the darkened units denote the styrene/methacrylic acid linkages, and the white units denote the ethyl acrylate linkages.

Example 2: Bulk synthesis of gradient copolymer

[0162] Following the procedure described in example 1, various copolymers were prepared from the following mixture of reactants: